

For Customer Service, call 1-800-251-7558

This owner's manual is intended for the Calphalon Grill.



•READ AND FOLLOW INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY OR USE. FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN DEATH, SERIOUS BODILY INJURY AND/OR PROPERTY LOSS.

•FOR HOUSEHOLD OUTDOOR USE ONLY. NOT FOR COMMERCIAL USE.

- •SOME PARTS MAY CONTAIN SHARP EDGES-ESPECIALLY WHERE NOTED IN THIS MANUAL! WEAR PROTECTIVE GLOVES IF NECESSARY.
- •THESE INSTRUCTIONS MUST BE KEPT WITH THE CONSUMER AND RETAINED FOR FUTURE USE.

FOR YOUR SAFETY

If you smell gas:

- 1. Shut off gas to the appliance.
- 2. Extinguish any open flame.
- 3. Open lid.
- 4. If odor continues, immediately call your gas supplier or your fire department.

FOR YOUR SAFETY

- 1. Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- 2. An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

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IMPORTANT SAFEGUARDS

A DANGER!

FAILURE TO FOLLOW THESE SAFEGUARDS COULD RESULT IN DEATH, SERIOUS BODILY INJURY, AND/OR PROPERTY LOSS. READ AND FOLLOW ALL INSTRUCTIONS CAREFULLY BEFORE ASSEMBLY OR USE OF THE LP GAS GRILL.

- 1. A WARNING! Read and follow all instructions.
- For Household Outdoor Use Only -Do Not Use Indoors or on recreational vehicles or boats. Never use as a space heater. Not for commercial use.
- 3. **WARNING!** To reduce the risk of serious or fall injury from breathing toxic fumes and from explosion and fire as a result of leaking gas, use only outdoors in an open area with good ventilation. As with all conventional fuels, the burning process consumes oxygen and produces toxic gases, including Carbon Monoxide. In addition, the combustion products of such fuels, including liquefied petroleum (LP), contain chemicals known to the state of

California and other authorities to cause cancer, birth defects and other reproductive harm.

- Place your Liquefied Petroleum (LP) gas grill on a firm, level surface. Grill should be setup away from high traffic areas and combustible materials.
- 5. Locate your LP gas grill at least 10 feet away from your house or any building. Do not use the grill in a garage, breezeway, carport, porch, or in any enclosed area. Do not locate this appliance under overhead unprotected combustible surfaces.
- 6. Have an ABC fire extinguisher accessible. Never attempt to extinguish a grease fire with water or other liquids.

- 7. A WARNING! If your grill catches on fire:
 - If the fire involves the cylinder, leave it alone, evacuate the area and call the fire department.
 - If the fire involves one of the hoses, and you can safely reach the propane cylinder valve, shut the valve off by turning LP cylinder valve handle clockwise to a full stop.
 - If the fire is in the grill portion and you can safely reach the control knobs, turn them off by turning knobs clockwise. If you cannot safely reach the control knobs or the LP cylinder valve, call the fire department.
 - If there is any type of fire that threatens either personal safety or endangers property, call the fire department.

Check the inside body of your grill for grease buildup.

Remove excess grease to avoid a grease fire in the bowl.

Never use the grill without the Grease Tray in place.

- 9. A WARNING! If you notice grease or other hot material dripping from the grill onto valve, hose, or regulator, turn off gas supply immediately. After the grill has cooled, determine the cause and correct it. After cleaning the valve, hose and regulator, perform a leak test before continuing use. See Before Using Your LP Gas Grill section of this manual for correct leak test procedures.
- This installation must conform with local codes or, in the absence of local codes, with either the National Fuel Gas Code, ANSI Z223.1, or CAN/CGA-B149.2, Propane Installation Code.
- 11. If an external electrical source is utilized, the outdoor cooking appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Codes, ANSI/NFPA 70, or the Canadian Electrical Code. CSA C22.1.
- 12. Keep any electrical supply cord and the fuel supply hose away from any heated surfaces. Electric cords should be placed away from walkways to avoid a tripping hazard.
- 13. Combustible materials should never be within 36 in. of the back or sides of your LP gas grill.
- 14. A WARNING! Always Store LP Cylinders upright and where temperatures do not exceed 125 degrees Fahrenheit. Never store a spare or disconnected LP cylinder under or near this LP gas grill.
- 15. Check the LP gas grill for gas leaks and burner obstructions before each use.
- ▲ WARNING! Do not use a flame to check for gas leaks. See Before Using Your LP Gas Grill section of this manual for correct leak test procedures. A clogged burner tube can lead to a fire beneath grill.

- 16. A DANGER! If you see, smell, or hear the his escaping gas from the LP cylinder:
 - A. Get away from the cylinder.
 - B. Do not attempt to correct the problem your
 - C. Call your local fire department.
- 17. A WARNING! Do not operate an LP gas grill i have knowledge of or suspect a gas leak.
- 18. Always inspect the gas hose and regulator assem before each use. Always turn the LP cylinder to th "Off" position before inspecting parts. If the hose is damaged, or showing signs of excessive abrasion wear, do not use the LP gas grill. Contact the manufacturer, as the hose must be replaced with assembly specified by the manufacturer prior to fu use of the LP gas grill.
- 19. **A** WARNING! Before lighting the LP gas grill, or hood to prevent an explosion from gas build-up. See **Operation of Your LP Gas Grill** section of th manual for correct lighting instructions.
- 20. If any burner does not light, turn off all gas control knobs. Leave the hood open and wait five minutes before attempting to light.
- 21. If any burner goes out during operation, turn off all control knobs. Open the hood and wait five minut before attempting to light.
- 22. Exercise reasonable care when using this LP gas Never leave grill unattended during use or cleanin
- Never allow children to operate or play near an LF grill. Keep animals and bystanders out of the grill
- 24. Always turn off the LP gas cylinder at the cylinder when not in use. Allow grill to cool before handling or cleaning.
- 25. **A WARNING!** Do not move an LP gas grill wher use or hot
- 26. A WARNING! Never touch hot surfaces. Use heresistant gloves, long-handled tongs, or cooking resistant gloves. The grill will become very hot. Open hood carefully when cooking to avoid burns from hot air and steam trapped inside.
- 27. Use only the hose and regulator assembly that is supplied with your LP gas grill and/or specified by the manufacturer.

- 28. Use of this LP gas grill other than for the intended use, or alteration of LP gas grill in any way may not be safe and will void any warranty.
- 29. Never attempt to repair the LP gas grill or cylinder yourself. Contact the manufacturer for information regarding repairs to your grill.
- 30. LP gas is not natural gas. The conversion or attempted use of natural gas in an LP unit or LP gas in a natural gas unit is dangerous and will void your warranty.
- 31. Do not use charcoal in an LP gas grill. Do not use aerosols or store flammable liquids or materials near this LP gas grill.
- 32. **A WARNING!** Do not wear loose clothing (example: hanging shirt tails, clothing with frills, etc.) around an LP gas grill while in use or hot.
- 33. Never use an LP cylinder if it shows signs of: dents, gouges, bulges, fire damage, corrosion, leakage, excessive rust or other forms of visual external damage; it may be hazardous and should be checked by a Liquefied Petroleum supplier. Do not use an LP cylinder with a damaged valve.
- 34. Even though your LP cylinder may appear to be empty, gas may still be present and the cylinder should be transported and stored accordingly.
- 35. Never store an LP gas cylinder indoors (empty or filled). If storing the gas grill indoors, disconnect LP gas cylinder and store it outdoors out of the reach of children.

- 36. Never leave an LP cylinder inside a vehicle which may become overheated by the sun.
- 37. Never lean your body over the LP gas grill when lighting it or while it is in use or hot.
- 38. Do not attempt to disconnect, move or alter any gas fittings while your LP gas grill is in operation.
- 39. Your LP gas grill should be cleaned on a regular basis. Refer to **Care and Maintenance** section in this manual.
- 40. This LP gas grill is not designed to be used with more than 66% of the cooking area as a solid plate (griddle). Full coverage of plates will cause excessive heat and could damage the grill.
- 41. Never douse the grill with water when its surfaces are hot because it may cause grease to splatter or the porcelain cooking grids to break.
- 42. When not in use, the LP cylinder valve must be turned to "Off" position.
- 43. Always leave the control panel cover open during use to prevent excess heat buildup and damage to your grill.

— NOTICE —

AMG STRIVES TO BE A QUALITY SUPPLIER OF CONSUMER PRODUCTS. IF WE INADVERTENTLY OMITTED ANY PARTS NEEDED FOR ASSEMBLY OR YOU NEED TROUBLESHOOTING INFORMATION, PLEASE CONTACT US USING OUR TOLL FREE NUMBER. THANK YOU FOR PURCHASING AN AMG PRODUCT.

1-(800)-251-7558 8 am - 5 pm E.S.T Mon. - Fri. 1-(423)-639-1171 (TELEPHONE) 1-(423)-639-2570 (FAX)

CONSUMER SERVICE DEPARTMENT AMG 1500 INDUSTRIAL ROAD GREENEVILLE, TN 37745 USA

www.amgproducts.com

ASSEMBLY INSTRUCTIONS

IMPORTANT! Please Read!

Please read all the instructions in this manual before beginning assembly. Follow them in order.

PREPARATION FOR ASSEMBLY: Two People will be required for removing parts from the carton and for some assembly. Look in the Parts List on page 5 to find the exact parts you need. Do not throw away any packaging until you have located all the parts (Some items are already preassembled on the grill).

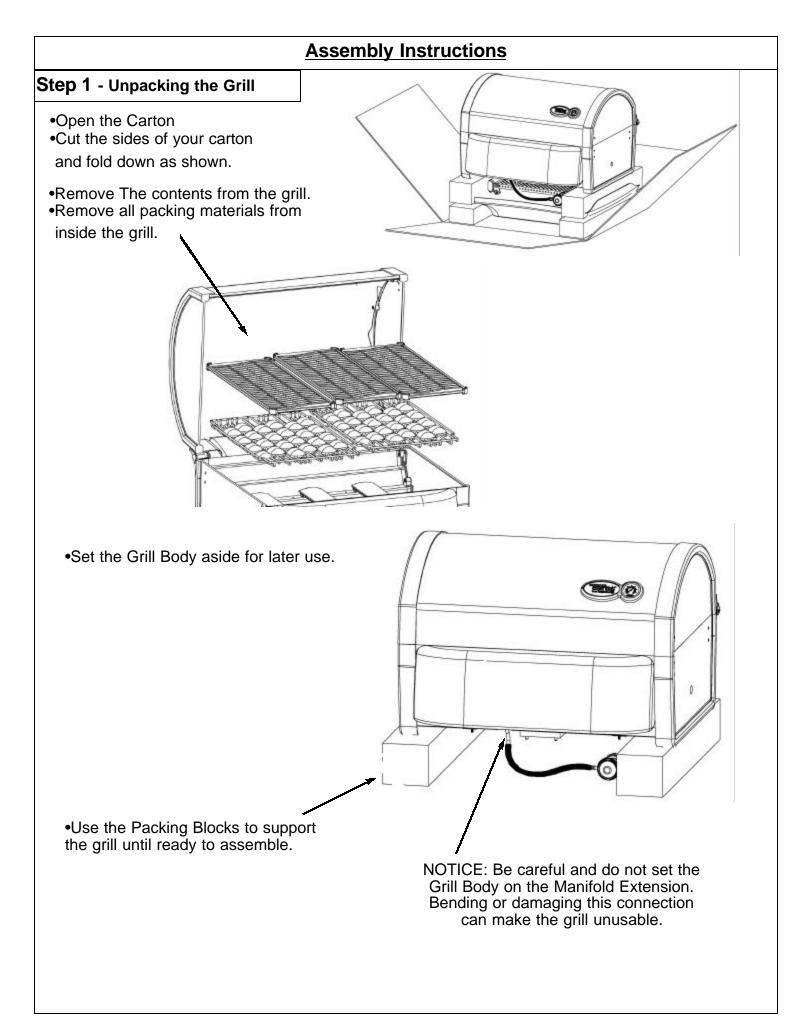
Remove all the parts from the carton and lay them on a smooth, clean surface (You may cut the carton, spread it out, and use it as a pad to protect part finishes).

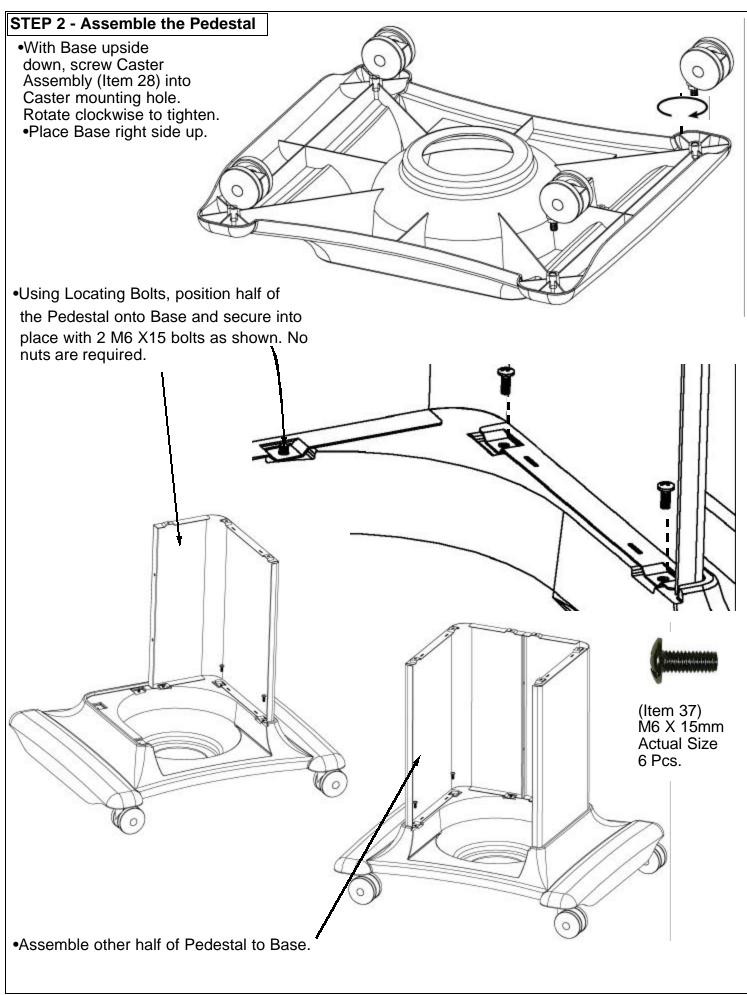
If you have any questions which require help, contact Customer Service at 1-800-251-7558 and be sure to mention the model number of your grill.

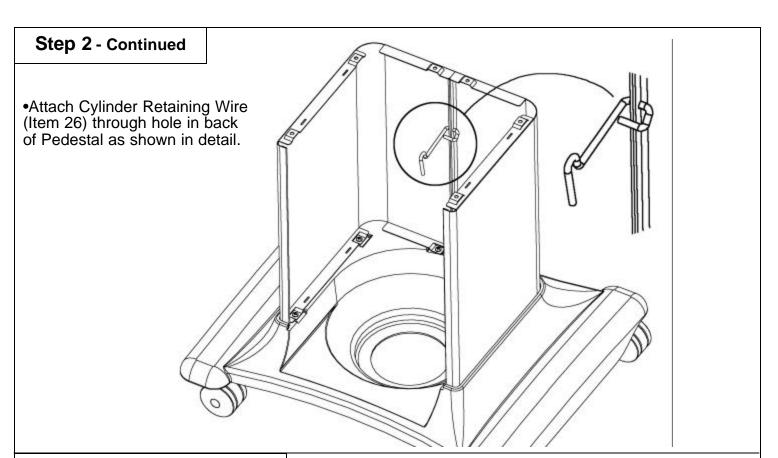
A

OUTDOOR ESSENTIALS ™ CALPHALON® GRILL PARTS LIST

OUTDOOR ESSENTIALS " CALPHALON GRILL PARTS LIST					
1. 03.4074.00 Spacer, Body 8 ea.	16. 03.4125.00 Ctrl Panel Cover 1 ea.	31. 03.6010.00 Screw, 1/2" X ea.			
2. 03.4100.00 Handle 1 ea.	17. 03.4126.00 Side Table Insert 4 ea.	32. 03.6011.00 Foil Pan 1 ea.			
3. 03.4101.00 Bolt M5X15mm 3 ea.	18. 03.4127.00 Side Table Frame 2 ea.	33. 03.6012.00 Grease Tray 1 ea.			
4. 03.4102.00 Handle Spacer 1 ea.	19. 03.4128.00 Table Insert 2 ea.	34. 03.6039.00 Grill Gas Burner 3 ea.			
5. 03.4103.00 Heat Indicator 1 ea.	20. 03.4129.00 Bolt M6 X 30 mm 8 ea.	35. 03.6042.01 Electrode/Collector 3 ea.			
6. 03.4104.00 Wing Nut M8 1 ea.	21. 03.4130.00 Heat Shield 1 ea.	36. 03.6095.05 Ceramic BriquetteTray 2 ea.			
7. 03.4108.00 Outer Hood S Stl 1 ea.	22. 03.4131.00 Pedestal L & R 2 ea.	37. 03.6208.00 Bolt M6 X 15mm 8 ea. Black			
8. 03.4109.00 Inner Hood Aluminum 1 ea.	23. 03.4132.00 Cooking Grid 3 ea.	38. 03.6237.00 Bolt M5 X 10mm 3 ea. Black			
9. 03.4110.00 Rt Side End Cap 1 ea.	24. 03.4133.00 Pedestal Base 1 ea.				
10. 03.4111.00 L. Side End Cap 1 ea.	25. 03.4134.00 Match Wire-Holder 1 ea.				
11. 03.4112.00 Bowl Assembly 1 ea.	26. 03.4135.00 Cylinder Retaining Wire 1 ea.				
12. 03.4121.00 Control Panel 1 ea.	27. 03.5012.00 Cotter Pin 1.6" L. 3 ea.				
13. 03.4122.00 Gas Manifold 1 ea.	28. 03.5043.00 Caster Assy 4 ea.				
14. 03.4123.00 Knob 3 ea.	29. 03.5073.00 Hex Nut, M6 4 ea.				
15. 03.4124.00 Magnet 10X2 mm 1 ea.	30. 03.5854.01 Gas Regulator 1 ea.				





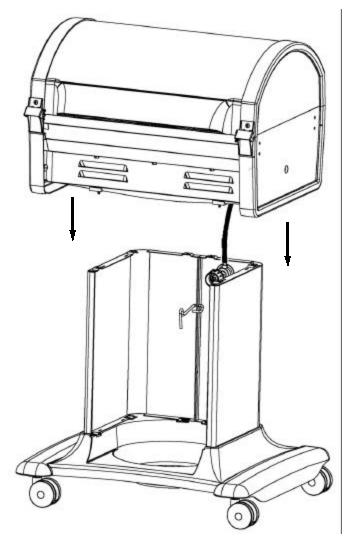


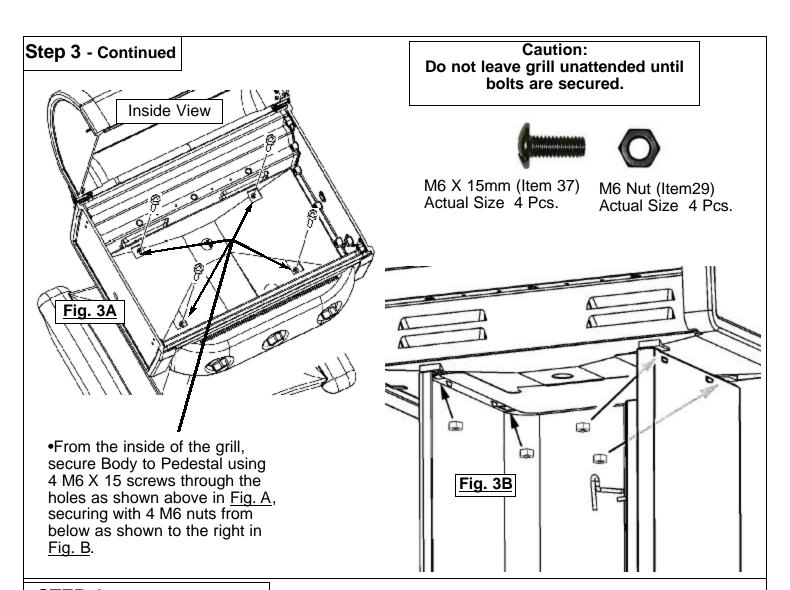
STEP 3 - Assemble the Grill Body

•CAUTION: TWO PEOPLE REQUIRED!

- •Make sure contents of grill have been removed for easy lifting.
- •Place Body on Pedestal.
- •Note: The Regulator and Hose should be hanging down inside the pedestal.
- •Carefully Open Hood

Caution:
Do not leave grill unattended until
bolts are secured.



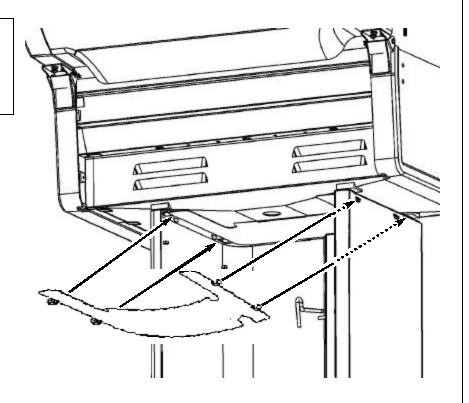


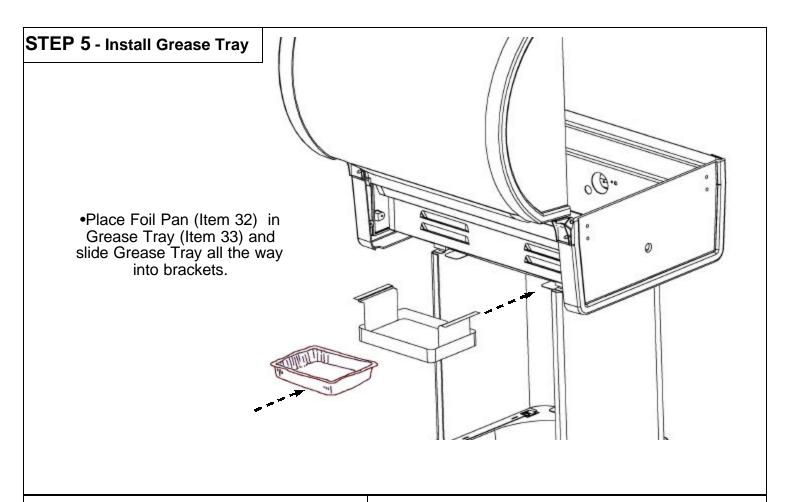
STEP 4 - Install Heat Shield

WARNING!

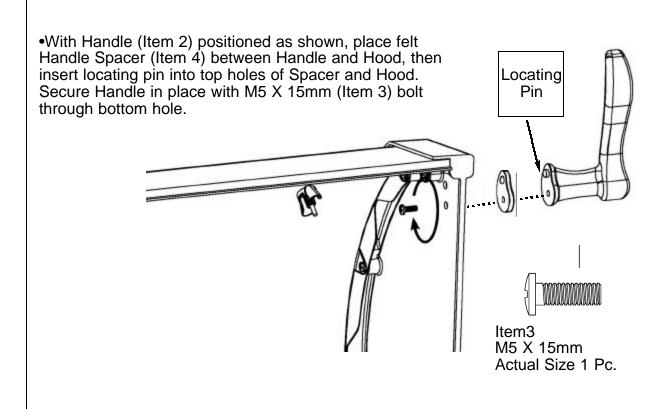
The Heat Shield must be installed to protect the Cylinder and regulator Hose from the high temperatures of the grill.

•Bend HeatShield (Item 21) upward at sides as shown and insert tabs down into the slots located in the top of the pedestal. Heat shield should then return to flat, horizontal position.





STEP 6 - Assemble Handle and Side Tables



STEP 6 Continued - Assemble Side Tables



Item 20 M6 X 30mm Actual Size 8 Pcs



Item 29 M6 Nut Actual Size 8 Pcs



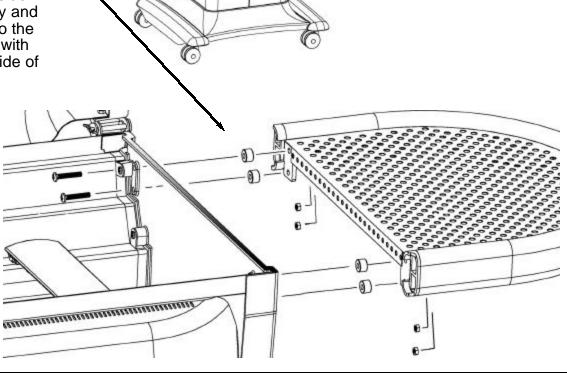
Item 1 Body Spacer Actual Size 8 Pcs

Notice:

The control panel cover can be opened by gently pulling down on the top of the cover.

To Assemble Side Tables:

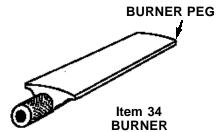
•From inside grill body, insert M6 X 30mm bolts through holes in the side panel of the grill Body and the Body Spacers into the Side Table, securing with nuts from the underside of the Side Table.

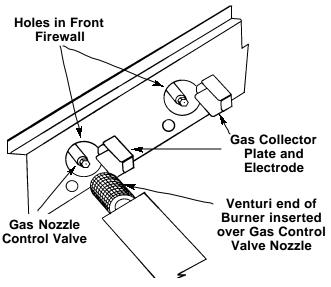


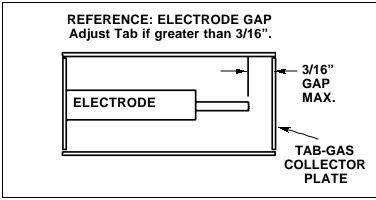
STEP 7 - INSTALL BURNERS

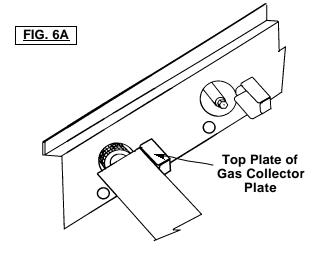
- •Remove plastic covering from Burners(3) and remove Cotter Pins(3) from Burner Peg.
- •Fit venturi end of Burner through hole in the inside firewall of Body (behind Control Panel) and onto Gas Control Valve Nozzle (FIG. 6A.) Be careful not to bend or force Gas Collector Plates.
- •Place other end of Burner on lower shoulder of rear firewall so Burner Peg rests in Burner Locator Hole as shown (FIG. 6B.)
- •Using pliers, from underside of grill Body, insert Cotter Pin through hole in Burner Peg to secure.
- •Repeat above steps for remaining burners.

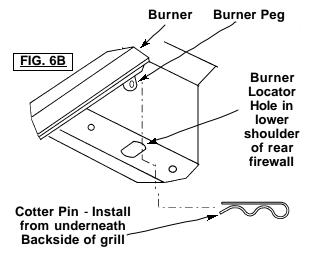








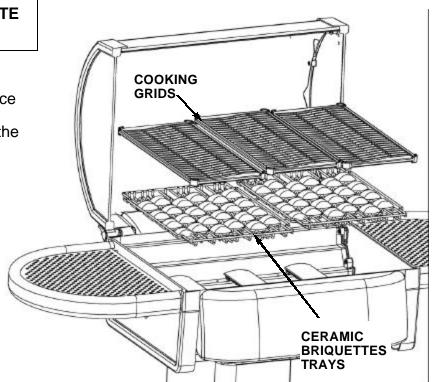




STEP 8 - INSTALL CERAMIC BRIQUETTE TRAYS/ COOKING GRIDS

•Remove plastic completely from two Ceramic Briquette Trays (Item 36). Place Briquette Trays side by side on middle shoulder of front and rear firewall over the Burners.

•Place three Cooking Grids side by side on upper shoulder of front and rear firewall over the Ceramic Briquette Trays.



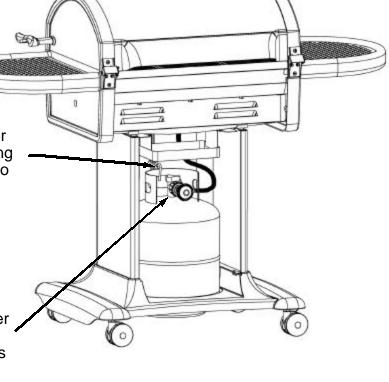
STEP 9 - ATTACH LP CYLINDER TO GRILL

•Fill empty OPD LP Cylinder at your local LP gas supplier.

•From rear of grill, set bottom ring of LP Cylinder into Base of grill with the LP Cylinder valve facing out as shown. Pivot Cylinder Retaining Wire onto cylinder collar to prevent cylinder from moving.

•Turn Control Panel knobs to "off" position and verify LP Cylinder valve is closed.

•Remove the protective cap from the LP Cylinder valve. Hold Regulator in a straight line with LP Cylinder valve so the connection does not cross thread. Insert Regulator Nipple into the LP Cylinder valve. Hand tighten coupling nut in clockwise direction. Do not use tools.



Step 10 - LEAK TESTING (TO BE PERFORMED IN A WELL-VENTILATED AREA)

tings.

A WARNING!

- Perform a leak test before each use.
- Leak test must be performed in a well ventilated area.
- Never perform a leak test on a grill while in use or hot.
- If you detect a gas leak that cannot be corrected by using the leak test procedures below, do not use the LP gas grill.
- Never smoke or have an open flame near the grill during a leak test.
- Insure Regulator Hose does not contact hot metal surfaces.

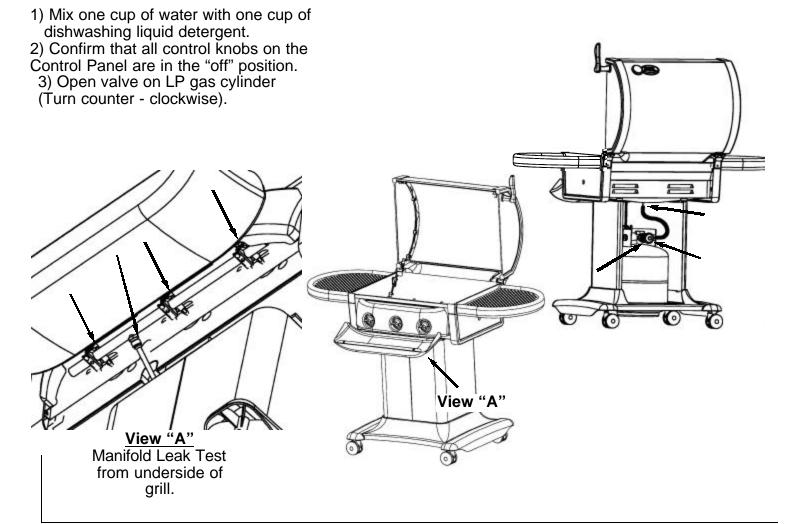
Supplies Needed for a Leak Test

Clean paint brush, water, and dishwashing liquid detergent.

How to perform a leak test

Warning! Never use an open flame to test A for gas leaks.

- 4) Check for leaks by brushing the soap solution on all LP gas connections and fittings. Make sure you generously brush the locations shown below in <u>View A</u> with the soap solution, completely surrounding the connections and fit-
- 5) If "growing" bubbles appear on any of the connection points, you have detected a gas leak. Immediately close the LP cylinder valve.
- A) If leak appears at either end of hose and regulator assembly, retighten the connection at the leak, but do not overtighten. (Note: only hand tighten at coupling nut.) Repeat Leak Test. B) If the leak is coming from the LP gas cylinder, from the valves at the control knobs, or if the leak cannot be stopped, do not use the grill. Call Customer Service at 1-800-251-7558.
- 6) Always turn off LP cylinder valve after performing a leak test (Turn clockwise to a full stop).
 7) If your LP gas grill has been in storage or has not been used for a period of time, the burners should be maintained. See Burner Maintenance in the Care and Maintenance section of this manual.



OPERATING AND MAINTAINING YOUR GAS GRILL

GAS, CYLINDER, HOSE AND REGULATOR INFORMATION

This LP gas grill was designed to use propane gas. Propane cylinders will supply gas all year round, even on cold winter days.

LP HOSE AND REGULATOR ASSEMBLY

▲ WARNING!

- Using a hose and regulator assembly that has not been supplied by the manufacturer of this LP gas grill could result in serious bodily injury or property loss.
- Use only use the hose and regulator assembly that has been furnished with this LP gas grill. If the hose and regulator assembly is not working properly and you need a replacement, contact the manufacturer (1-800-251-7558).
- •Inspect the hose before each use. If the hose is cut or damaged or shows signs of excessive abrasion or wear, do not use the LP gas grill. Contact the manufacturer, as the hose must be replaced with parts specified by the manufacturer prior to the further use of the LP gas grill.

LP Gas Cylinder

▲ DANGER!

- Read and follow all warnings on LP gas cylinder.
- If you see, smell, or hear the hiss of LP gas escaping from the cylinder:
 - 1) Evacuate all people from the grilling area.
 - 2) Do not attempt to correct the problem vourself.
 - 3) Call the local fire department.
- •The LP gas cylinder, for use with the Outdoor Essentials
 Calphalon gas grill, must meet the following requirements:
 - 1) 12" diameter x 18" tall. 20 lb maximum capacity
 - 2) Overfill Protection Device (OPD) safety feature (should be noted on cylinder)
 - 3) Must be constructed and marked in accordance with the U.S. Department of Transportation (DOT) or the National Standard of Canada, CAN\CSA-B339. (See collar for marking)
 - 4) Must have collar to protect LP cylinder valve.
- •Never use an LP gas cylinder if it shows signs of: dents, gouges, bulges, fire damage, corrosion, leakage, excessive rust or other forms of visual external damage; it may be hazardous and should be checked by a liquid propane supplier.
- The LP gas cylinder should never be filled more than 80% of cylinder volume. (20 lb. maximum) Do not ask the propane supplier to over-fill the cylinder.

- If you obtain LP gas through a cylinder exchange dealer, make sure you are getting a safe and adequate OPD cylinder. Use only a licensed LP gas cylinder dealer.
- Keep children away from LP gas cylinder at all times.
- Do not use, store, or transport the LP gas cylinder where it would be exposed to high temperatures. The relief valve may open which will allow a large amount of flammable gas to escape. Never leave an LP gas cylinder inside a vehicle which may become overheated by the sun.

•WARNING! Never store an LP cylinder indoors. Storage of an outdoor cooking gas appliance indoors is permissible only if the cylinder is disconnected and removed from the outdoor cooking gas appliance. Cylinders must be stored outdoors out of the reach of children and must not be stored in a building, garage, or any other enclosed area.

▲ WARNING! Never store a spare LP gas cylinder under or near the grill. All spare and disconnected LP gas cylinders must have safety caps installed on the LP cylinder valve.

- LP gas is not natural gas. The conversion or attempted use of natural gas in an LP unit or LP gas in a natural gas unit is dangerous and will void your warranty.
- The cylinder supply system must be arranged for vapor withdrawal.
- Never attempt to repair an LP gas cylinder valve yourself.
 See an authorized LP gas cylinder dealer for repairs.
- When transporting an LP gas cylinder, keep it secured in an upright position with cylinder valve turned to off position.

Connecting/ Disconnecting LP Gas Cylinder to Grill

 Do not operate the LP gas grill when the LP gas cylinder is not attached to the grill as shown in the Assembly Instructions.

▲ WARNING!

- Always check for gas leaks when you disconnect and reconnect the regulator to the LP gas cylinder, especially after a period of storage (for example, over winter).
 - Check tubes that lead into the burner for any blockage from insects, spiders, or food grease before using.
- Check grill hoses for cracking, brittleness, holes, or leaks.
- Make sure there are no sharp bends in the hose or tubing.
- Make sure Regulator Hose does not contact hot metal surfaces.

- Never connect or disconnect LP gas cylinder or fittings while grill is in use or is hot.
- When the LP gas cylinder is connected, the grill must be kept outside in a well-ventilated space. Turn off all of the grill control knobs and the LP cylinder valve when grill is not in use.
- Move gas hose as far away as possible from hot surfaces.

<u>How to Connect your LP gas cylinder</u> (See STEP 9 of <u>Assembly Instructions</u> for diagram)

- Make sure all of the control panel knobs are turned to the "off" position and verify that the LP gas cylinder valve is closed by turning the handle on the LP gas cylinder valve clockwise until it stops.
- Remove the protective cap from the LP cylinder gas nozzle.
- Hold regulator in a straight line with LP cylinder gas nozzle so the connection does not cross thread.
- 4) Insert nipple into the LP cylinder nozzle opening.
- 5) Hand tighten coupling nut in a clockwise direction. Do not use tools.
- Perform a Leak Test. (See STEP 10 of <u>Assembly</u> Instructions for Leak Test Instructions)

How to Disconnect your LP gas cylinder

- Turn all control knobs to the "off" position and turn the handle on the LP gas cylinder valve clockwise until it stops.
- Turn coupling nut on regulator in a counter-clockwise direction until regulator is released from threaded LP cylinder gas nozzle.
- 3) Place the protective cap over LP cylinder gas nozzle.

BEFORE USING YOUR LP GAS GRILL

Selecting a Location

▲ WARNING!

Do not use an LP gas grill indoors, on recreational vehicles, or on a boat.

- This LP gas grill is for outdoor use only and should be placed on firm, level surface. The grill should be used in an open area with good ventilation, away from high traffic areas and combustible materials.
- Combustible or flammable materials should never be used or stored within 36 inches of the back or sides of your LP gas grill.
- Locate your LP gas grill at least 10 feet away from your house or any building. Do not use the grill in a garage, breezeway, carport, porch, or under a surface that can catch fire.
- When moving your gas grill, you should push the grill in front of you with both hands on the side table. Make sure the hood is closed and push grill slowly.

Precautions

▲ WARNING!

 Carefully read the Important Safeguards section of this manual (pages 2 thru 4). Make sure you follow and understand all instructions and warnings. If you have any questions regarding these pages, call 1-800-251-7558 and ask for a Customer Service Representative.

- This installation must conform with local codes or, in the absence of local codes, with either the National Fuel Gas Code, ANSI Z223.1, or CAN/CGA-B149.2, Propane Installation Code.
- If an external electrical source is utilized, the outdoor cooking appliance, when installed, must be electrically grounded in accordance with local codes or, in the absence of local codes, with the National Electrical Codes, ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22.1.
- If any electric appliance or rotisserie is used with the LP gas grill, do not allow cords to touch or be near hot surfaces. Electric cords should be placed away from walkways to avoid a tripping hazard.
- If using a Grill storage cover, it must be removed and placed at least 36 inches from the LP gas grill while in use. Grill covers are made of flammable materials. The grill must be completely cooled before putting the cover back on the grill.
 - Never store a spare or disconnected LP gas cylinder under or near this LP gas grill.
- Inspect the hose and regulator assembly before each use. If the hose is cut or damaged or shows signs of excessive abrasion or wear, do not use the LP gas grill. Contact the manufacturer, as the hose must be replaced with an assembly specified by the manufacturer prior to further use of LP gas grill.
- Use only the hose and regulator assembly that is supplied with your LP gas grill.
- Use of this LP gas grill other than for the intended use, or alteration of the LP gas grill in any way may not be safe and will void any warranty.
- LP gas is not natural gas. The conversion or attempted use of natural gas in an LP unit is dangerous and will void your warranty.
- Never use an LP gas cylinder if it shows signs of: dents, gouges, bulges, fire damage, corrosion, leakage, excessive rust, or other forms of visual external damage; it may be hazardous and should be checked by a Liquefied Petroleum supplier. Do not use an LP cylinder with a damaged valve.
- Never use charcoal in your LP gas grill. Do not use aerosols or store flammable liquids or materials near this gas grill.

LeakTesting

A WARNING!

- · Always perform a leak test before each use.
- Leak test must be performed in a well ventilated area.
- Never perform a leak test on a grill while in use or hot.
- If you detect a gas leak that cannot be corrected by using the leak test procedures below, do not use the LP gas grill. Call Customer Service at 1-800-251-7558.
- Never smoke or have an open flame near the grill during a leak test.

Supplies Needed for a Leak Test

Clean paint brush, water, and dishwashing liquid.

<u>How to perform a leak test</u> (See Step 10 of <u>Assembly Instructions</u> for leak test diagrams.)

MARNING! Never use an open flame to test for gas leaks.

- 1) Mix one cup of water with one cup of dishwashing liquid detergent.
- 2) Confirm that all control knobs on the control panel are in the "off" position.
- 3) Open the valve on LP gas cylinder (Turn the valve on the LP gas cylinder counter-clockwise)
- 4) Check for leaks by brushing the soap solution on all LP gas connections and fittings. (See STEP 10 of <u>Assembly Instructions</u> for diagram of the locations) Make sure you generously brush the locations with the soap solution, completely surrounding the connections and fittings.
- 5) If "growing" bubbles appear on any of the connection points, you have detected a gas leak. Immediately close the LP cylinder valve by turning it clockwise.
 - A) If leak appears at either end of hose and regulator assembly, retighten the connection at the leak, but do not overtighten. (Note: Only hand tighten at coupling nut) (See Step 9 of <u>Assembly Instructions</u>) Repeat Leak Test.
 - B) If the leak is coming from the LP gas cylinder, from the valves at the control knobs, or if the leak cannot be stopped, do not use the grill. Call Customer Service at 1-800-251-7558.
- 6) Always turn off LP cylinder valve after performing a leak test. (Turn valve clockwise)
- 7) If your LP gas grill has been in storage or has not been used for a period of time, the burners should be maintained. See Burner Maintenance in the Care and Maintenance section of this manual.

OPERATING THE LP GAS GRILL

▲ WARNING!

- Before proceeding, make certain that you understand the Important Safeguards on pages 15 thru 17 of this manual.
- Before lighting the LP gas grill, you must open the hood to prevent an explosion from gas build-up.
- If your LP gas grill catches on fire:
 - If the fire is in the grill portion and you can safely reach the control knobs on the control panel, then turn them to the off position.
 - If the fire involves one of the hoses, and you can safely reach the LP cylinder valve, shut the valve off.
 - If the fire involves the cylinder, leave it alone, evacuate the area and call the fire department.
- If there is any type of fire that threatens either personal safety or endangers property, evacuate the area and call the fire department.
 - If you notice grease or other hot material dripping from the grill onto the valve, hose, or regulator, turn
 - off the gas supply immediately. After the grill has cooled, determine the cause and correct it. After cleaning the valve and hose and regulator assembly, perform a leak test before continuing use (See Step 10 of Assembly Instructions).
- Do not operate an LP gas grill if you have knowledge of or suspect a gas leak.
- Never allow children to operate or play near an LP gas grill. Do not leave grill unattended.
- Always turn off the LP gas cylinder at the LP cylinder valve when not in use. Allow grill to cool before handling parts or cleaning.
- · Do not move an LP gas grill when in use or hot.
- Never touch hot surfaces. Use heat resistant gloves, long-handled tongs, or cooking mitts at all times since the grill will become very hot. Open the hood carefully when cooking to avoid burns from the hot air and steam trapped inside.
- Do not wear loose clothing (example: hanging shirt tails, clothing with frills, etc.) around a LP gas grill while in use or hot.
- Never lean your body over the LP gas grill when lighting it or while it is in use or hot.
- This LP gas grill is not designed to be used with more than 66% of the cooking area as a solid plate (griddle). Full coverage of plates will cause excessive heat and could damage the grill.

Preparation Before Cooking

- Wash the porcelain coated Cooking Grids with a mixture of hot water and soap.
- Empty the foil pan and grease tray after each cooking session so excessive grease does not accumulate.
 Failure to remove grease may result in grease dripping onto the cart and/or a grease fire in the tray.

Lighting the Grill Using the Integral Ignition System

▲ WARNING!

- Open Hood before lighting the grill to prevent an explosion from gas buildup.
- Always inspect the gas hose and regulator assembly before each use. If the hose is cut, damaged, or shows signs of excessive abrasion or wear, do not use the LP gas grill. Contact the manufacturer, as the hose and regulator assembly must be replaced with an assembly specified by the manufacturer prior to further use of the LP gas grill.

How to light your LP gas grill (See diagram on next page for illustrations)

- 1) Open Hood and Control Panel Cover.
- 2) Important: Make sure control knobs are turned "off" first.

Open the LP gas cylinder valve by turning the valve counterclockwise until it stops.

- 3) From the "Off" position, push control knob in on the left burner and turn counter-clockwise until you feel resistance. Pause 4 seconds, then continue turning the control knob until a click is heard and the burner is lit.
- 4) Light the remaining burners by turning the control knob counter-clockwise. Your grill has a crossover ignition system that allows the burners to light successively off one another. Confirm each burner is lit before lighting another burner.
- 5) If any of the burners do not light, repeat Step 3. The burner should light within three or four attempts. If burner still does not light, try the next burner from left to right.

WARNING: If any or all burners fail to light after

following Steps 3 & 4, turn all knobs to the "off" position and close the valve on the LP gas cylin-

der.

Wait five minutes; then repeat all of the above lighting procedures.

Note: If the burners still fail to light, refer to the Troubleshooting page. The burner can be lit manually. See Manual Lighting of the Grill.

6) After ignition, preheat the grill by turning the control knob to "High" position for 3-5 minutes. The grill should be pre-heated before every cooking session.

WARNING: If a burner goes out during the cooking cycle, turn all knobs to the "off" position and close

The hood should be closed during preheating.

valve on the LP gas cylinder. Open hood and wait five minutes before attempting to relight the grill. Always leave the Control Panel Cover open during use to prevent excess heat buildup and damage to your grill.

Manual Lighting of the Grill

A WARNING!

- Open Hood before lighting the grill to prevent an explosion from gas build-up.
- Always inspect the gas hose and regulator assembly before each use. If the hose is cut, damaged, or showing signs of excessive abrasion or wear, do not use the LP gas grill. Contact the manufacturer, as the hose must be replaced with an assembly specified by the manufacturer prior to further use of the LP gas grill.

How to manually light your LP gas grill

- 1) Open Hood and Control Panel Cover.
- Important: The LP gas cylinder valve must be opened first before turning the control knobs on the grill. Turn the LP cylinder valve counter- clockwise until it stops.
 - 3) Using the match Wire Holder (Item 25), light a match and insert it through the match-lighting hole underneath the left side table on the grill Body. Hold lit match near burner(See figure below).

4) Locate the control knob that corresponds to the match lighting hole that you are using. Push in and turn the control knob counter-clockwise until a click is heard.

WARNING: If the burner fails to ignite after following the above procedure, turn all the knobs to

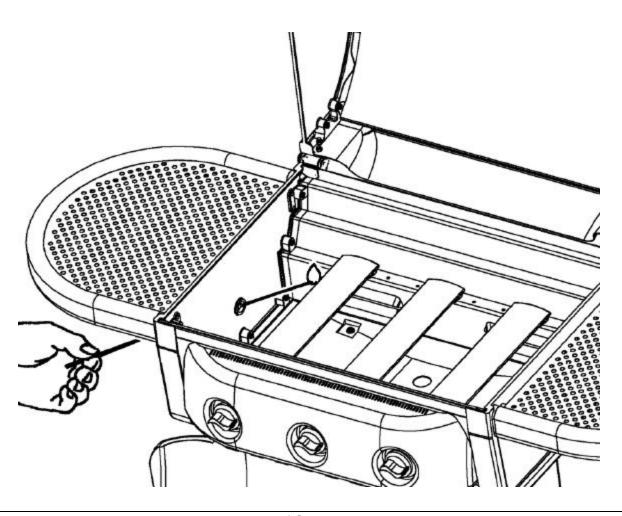
the "off" position and close the valve on the LP gas cylinder. Wait five minutes and repeat all of the above manual lighting procedures. If the grill still fails to light, see the <u>Troubleshooting</u> page.

- 5) Light the remaining burners from left to right by turning the control knob counter-clockwise. Your grill has a crossover ignition system that allows the burners to light successively off one another. Confirm each burner is lit before lighting another burner.
- 6) After ignition, burners should be burned at the "high" position for 3-5 minutes in order to preheat the grill. This process should be done before every cooking session. The hood should be closed during preheating.

WARNING: If a burner goes out during the cooking cycle, turn all knobs to the "off" position and close the

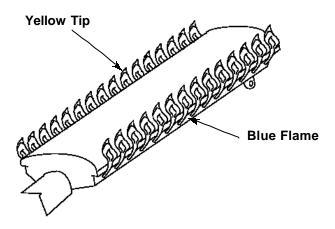
▲ valve

on the LP cylinder. Open hood and wait five minutes before attempting to relight the grill. Always leave Control Panel Cover open during use to prevent excess heat buildup and damage to your grill.



Check Your Flame

Your burners have been preset by the manufacturer for optimal flame performance. A blue flame, possibly with a small yellow tip, is the result of the optimal air and LP gas mixture. (See diagram below)



The flame should be checked before the initial cooking session and periodically throughout the grilling season, especially after storing the grill over a long period of time. If the flame is significantly yellow in color, then you are not getting the appropriate amount of LP gas in the air/LP gas mixture. This could be a result of a blocked burner from grease drippings or from insects building a nest inside the burner or burner opening. You should follow the <u>Burner Maintenance</u> section of this manual for cleaning the burners.

Grill Cooking

The cast iron burners heat up the Ceramic Briquettes underneath the grill, which in turn heats the food on the grill. The natural food juices produced during cooking fall onto the hot Ceramic Briquettes below and vaporize. The subsequent rising smoke bastes the food as it travels upwards, giving it that unique barbecued flavor.

Roasting Hood Cooking

Closing the Grill hood forms an 'oven' for roasting food, such as roasts of meat, whole chickens, etc. When closed, a large amount of heat is trapped inside the grill. Thus, it is IMPORTANT to make sure that all the burners are turned to the "low" position to prevent burning of the food. Avoid lifting the hood unnecessarily as heat is lost every time the hood is opened. Use the temperature gauge to check the approximate temperature inside the grill.

End of Cooking Session

A WARNING!

Never leave your LP gas grill unattended during use or cleaning.

After each cooking session, close the hood and turn the grill burners to the "high" position and burn for five minutes. This procedure will burn off cooking residue, thus making cleaning easier.

Turn off Your LP Gas Grill

▲ WARNING!

The grill must be completely cooled before placing a Grill Cover on the grill.

How to turn off your LP gas grill

- 1) When you have finished using your grill, turn the grill Control Knobs clockwise to the "Off" position.
- Turn off the gas at the LP cylinder valve by turning it clockwise completely until it stops.
 - 3) Wait until the grill is cool before closing the hood.
- 4) After the LP gas grill has cooled, a Grill Cover can be placed on the grill.

WARNING! Never store an LP gas cylinder indoors

(empty or filled). If storing the gas grill indoors,
disconnect LP gas cylinder and store it outdoors
out of the reach of children.

CARE AND MAINTENANCE

▲ WARNING!

- Always turn off the LP gas cylinder, at the LP cylinder valve, when not in use. Allow the grill to cool before handling parts or cleaning.
- · Do not move an LP gas grill when in use or hot.
- Never touch hot surfaces. Use heat resistant gloves, long-handled tongs, or cooking mitts at all times since grill will become very hot.
- Do not wear loose clothing (for example: hanging shirt tails, clothing with frills, etc.) around a LP gas grill while in use or hot.
- Never lean your body over the LP gas grill when lighting it or while it is in use or hot.
- Never douse the grill with water when its surfaces are hot because it may cause grease to splatter or the porcelain cooking grids to break.

Grill Clean-up:

When Grill has cooled down, Wipe excess grease from inside the Grill. Wash Grid and outside of Grill with warm soapy water. NEVER USE OVEN CLEANER ON PAINTED SURFACES.

CARE AND MAINTENANCE (Continued)

Regularly clean your LP gas grill between uses and especially after extended periods of storage. Ensure the grill and its components are cool before cleaning. In order to extend the life and maintain the condition of your grill, we strongly recommend that the unit be covered when stored outside for any length of time, especially during the winter months.

Porcelain coated Cooking Surfaces

Most residue on the Cooking Grids can be cleaned with a baking soda and water solution. For stubborn stains, use a non abrasive scouring powder. Do not use steel wool or other like cleaning products on the porcelain coated or stainless steel surfaces. This will scratch the surface.

Burner Maintenance

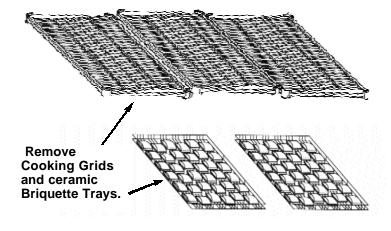
WARNING!

- · Check the LP gas grill for gas leaks and burner obstructions before each use.
- Always turn off the LP gas cylinder at the LP cylinder valve when not in use. Allow grill to cool before handling parts or cleaning.

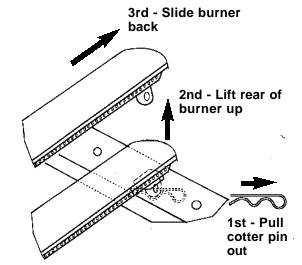
Provided that the burners are operating correctly, in normal usage, burning off the residue after cooking will keep the burners clean. The burners should be removed and cleaned annually, or whenever heavy build-up is found, to ensure that there are no signs of blockage (debris, insects) in either the burner portholes, the primary air inlet, or the neck of the cast iron burners. (See burner cleaning instructions below)

How to clean porcelain coated cast iron burners

- 1) Make sure the LP cylinder and Grill control knobs are turned off, and that the Grill has cooled completely.
- Carefully remove Cooking Grids and Ceramic Briquettes.
- 3) Remove the burners, by first removing cotter pin from each burner peg located at rear end of burner. (See Figure below)
- 4) Remove each burner from the grill.
- 5) Clean burners. Use a pipe cleaner to clear obstructions from the burner holes and inlet hole. A brass wire brush can be used to remove corrosion and food particles from the burner surfaces. (See Figure below) Verify that there are no insects or insect nests blocking the inlet hole.
- Note: It is normal for surface rust to be present on the
- 6) Once all burners are cleaned, place each burner back into grill and reinstall cotter pin. Note: When refitting the burners, be careful to check that they are positioned correctly. (Refer to Step 7 of Assembly Instructions for reinstallation)
- 7) Assemble Ceramic Briquette Trays and then Cooking Grids.



Step 1. Turn the LP Cylinder handle clockwise until it stops.



Step 3. Remove cotter pins and burners from grill. (Follow steps

Step 5. Use a pipe cleaner to clear obstructions from all burner holes. A brass wire brush can be used on the burner surfaces to remove corrosion.

TROUBLESHOOTING				
<u>Problem</u>	Possible Cause	Solution		
Burners will not light using the igniter	Burners not assembled correctly	See Step 7 - Install Burners of the Assembly Instructions		
	Not pausing long enough before clicking the control panel knob	When lighting the 1st (Leftmost) Burner, push-in and turn control panel knob counter-clockwise until you feel resistance with turning. Pause 4 seconds with knob still pushed in, then continue turning knob counter-clockwise until a click is heard		
	No spark	Gas collector tab is bent (making too large or small of a gap between electrode and tab). By hand, bend gas collector tab back within a maximum of 3/16" gap to electrode. (See page 12 for illustration).		
	LP gas cylinder is empty	Take LP gas cylinder to licensed LP gas supplier to be refilled.		
	Coupling nut is not fully con- nected to regulator	Tighten coupling nut by hand about one-half to three quarters additional turn. Do not use tools.		
	Excess flow valve tripped in regulator	Turn control knobs to "off" position and turn LP gas cylinder valve clockwise until it stops. Wait five minutes. Open cylinder and relight LP gas grill.		
	Obstructions in burners	Clean burners (See Burner Maintenance in <u>Care and Maintenance</u> section of this manual)		
	Electrodes and burners are wet	Dry electrode with clean cloth.		
	Wire is loose or disconnected	Reconnect the wire.		
	Wire is shorting (sparking between igniter and electrode)	Replace igniter wire/electrode assembly (Call the Customer Service Department at 1-800-251-7558).		
Burners will not light using a match	Burners not assembled correctly	See Step 7 - <u>Install Burners</u> page of the <u>Assembly Instructions</u>		
	LP gas cylinder is empty	Take LP gas cylinder to licensed LP gas supplier to be refilled		
	Excess flow valve tripped in regulator	Turn control knobs to "off" position and turn LP gas cylinder valve clockwise until it stops. Wait five minutes. Open cylinder and relight LP gas grill.		
	Coupling nut is not fully con- nected to regulator	Tighten coupling nut by hand about one-half to three quarters additional turn. Do not use tools.		
	Obstructions in burners	Clean burners (See Burner Maintenance in <u>Care and Maintenance</u> section of this manual)		
Low flame or low heat	Gas in LP cylinder is low	Check LP gas cylinder. Refill if necessary.		
	Excess flow valve tripped in regulator	Turn control knobs to "off" position and turn LP gas cylinder valve clockwise until it stops. Wait five minutes. Relight LP gas grill. If flame continues to be low, turn off gas at cylinder and grill. Disconnect the regulator from the LP gas cylinder. Reconnect the regulator to the LP gas cylinder. Perform a leak test. Relight grill. This will reset the excess flow valve.		

TROUBLESHOOTING			
Problem	Possible Cause	Solution	
Flames blow out	High or gusting winds	Turn front of grill to face wind or increase flame height.	
	Gas in LP cylinder is low	Check LP gas cylinder. Refill if necessary.	
	Excess flow valve tripped	See "Low flame" problem listed previously.	
Flare up	Grease build up	Clean grill.	
	Excessive fat in meat	Trim fat from meat before grilling.	
Persistent grease fire	Grease trapped around burner system	Turn control knobs "off" and turn handle of LP cylinder vallve clockwise until it stops. Open hood carefully and let fire burn out. After the grill cools, remove and clean all parts.	
Unable to fill LP tank	Some dealers have older fill nozzles with worn threads.	The worn nozzles don't have enough "bite" to engage the valve. Try another licensed LP dealer.	
Humming or whistling from the regulator	Outside temperature, humidity, barometric pressure, and the gas level within the tank may cause the rubber diaphragm inside the regulator to vibrate, making a humming or whistling sound.	Although this sound may be alarming, this is NOT dangerous as long as it is not accompanied by the smell of gas. Simply adjust the burner settings and usually the sound will subside. If the humming sound persists, a change in atmospheric conditions will eventually stop the vibration.	

If your problem is not resolved from the information provided above, please call Customer Service at 1-800-251-7558.

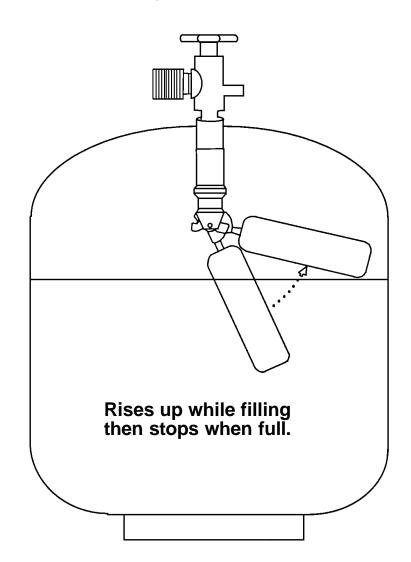
IMPORTANT NOTICE

The Gas Grill is setup to operate with a LP Gas Cylinder equipped with an OPD (Overfilling Prevention Device).

(LP NOT SUPPLIED WITH GRILL)

This is a secondary

device to prevent the overfilling of your LP Gas cylinder. The proper methods for the filling of your LP Gas cylinder are by weight or volume, as described in NFPA 58. Please make sure your filling station fills your LP Gas cylinder by weight or volume. Ask your filling station to read purging and filling instructions on the LP cylinder before attempting to fill.



▲ WARNING! Do not exchange an LP Gas cylinder unless the exchange LP cylinder is equipped with an OPD. Otherwise you will lose the OPD (Overfilling Prevention Device) feature. If there is not an LP cylinder available for exchange equipped with an OPD, we recommend that you have your cylinder filled at an authorized LP gas dealer by a qualified attendant.

Calphalon Grill LIMITED WARRANTY

This product is warranted to the original consumer purchaser against defects in material and workmanship under normal outdoor household use and correct assembly (if assembled by the consumer-purchaser). Cast iron burners and porcelain grids are warranted for a period of five (5) years from the date of purchase. All other parts are warranted for a period of one (1) year from the date of purchase. AMG DOES NOT warrant in any way your propane cylinder (see label on cylinder for cylinder manufacturer's warranty.) The LP cylinder manufacturer is responsible for the materials, workmanship and performance of the cylinder. If the cylinder has a defect, malfunctions, or you have a question regarding the cylinder, call the cylinder manufacturer's customer service center. The phone number is on the cylinder.

AMG may require reasonable proof of purchase and we suggest you keep your receipt. Damages caused by commercial or institutional use, accidental or intentional damage, repairs made or attempted by unauthorized persons, or misuse are not covered by this warranty. If defective, the part or product will be repaired or replaced at the option of AMG without charge.

This warranty does not include the cost of any inconvenience or property damage due to failure of the product and does not cover damage due to misuse, abuse, accident, damage arising out of transportation of the product, damage incurred through commercial use, or failure to perform normal and routine maintenance. LIABILITY FOR CONSEQUENTIAL PROPERTY OR COMMERCIAL DAMAGES ARE EXPRESSLY EXCLUDED BY THIS WARRANTY. ANY APPLICABLE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS ARE LIMITED IN DURATION TO THE PERIOD COVERAGE OF THIS EXPRESS WRITTEN LIMITED WARRANTY. Some states do not allow limitation on how long an implied warranty lasts, so this limitation may not apply to you.

Deterioration or damage due to severe weather conditions such as hail, hurricanes, earthquakes or tornados, discoloration due to exposure to chemicals either directly or in the atmosphere, is not covered by this limited warranty.

No returns will be accepted without prior authorization from AMG. Authorization for return may be obtained by calling 1-800-251-7558. Handling and transportation costs for returning the product are not covered by this warranty and will be paid for by the purchaser. Please send your correspondence to:

AMG Attn: Customer Service 1500 Industrial Road Greeneville, TN 37745

For reference and correspondence, record your Serial number here. (See nameplate on side of grill.)

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